

The background is a solid orange color with several thin, white, curved lines that sweep across the left side of the image, creating a sense of motion or flow.

AIR TRAFFIC CONTROLLER

Air Traffic Controller

Air Traffic Controllers oversee the movement of air traffic to make certain that planes stay a safe distance apart. Their most important concern is safety, but Controllers also must direct planes in order to minimize delays. Some guide airport traffic through certain airspaces; others guide airport arrivals and departures.

Education Requirements: Master's degree,
Doctoral degree



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The background is a solid orange color. On the left side, there are several thin, white, curved lines that sweep upwards and outwards, resembling stylized motion or a road curving into the distance. The text "TRANSPORTATION MANAGER" is centered in the middle of the image in a large, white, sans-serif font.

TRANSPORTATION MANAGER

Transportation Manager

Transportation Managers arrange for the moving of raw materials to a company's production area. They send finished products to customers, warehouses or storage areas. Transportation Managers may often consult with other workers on transportation or shipping problems. They normally work 40 hours in a five day week. Additional time may be required to prepare reports and travel to and from meetings.

Education Requirements: Two-Year Associate's degree,
Four-Year Bachelor's degree



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The background is a solid orange color. On the left side, there are several thin, white, curved lines that sweep upwards and to the right, creating a sense of motion or a stylized wave. The word "PILOT" is centered in the middle of the image in a bold, white, sans-serif font.

PILOT

Pilot

Pilots are highly trained professionals who either fly airplanes or helicopters to carry out a wide variety of tasks. Most are airline pilots, copilots and flight engineers who take passengers and cargo where they need to go. Commercial Pilots serve in many areas including dusting crops, spreading seed to grow trees, testing aircraft, flying passengers and taking shipments to areas not served by regular airlines. They also direct firefighting efforts, track criminals, monitor traffic and rescue injured persons.

Education Requirements: Two-Year Associate's degree,
Four-Year Bachelor's degree



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The background is a solid orange color with a subtle, fine-grained texture. On the left side, there are several thin, white, curved lines that sweep upwards and outwards, resembling stylized motion lines or the tail of a comet. These lines are more concentrated on the left and fade towards the right.

AIRCRAFT MECHANIC

Aircraft Mechanic

Aircraft Mechanics specialize in working to keep airplanes from breaking down. They inspect aircraft engines, landing gear and instruments such as brakes, valves, pumps and air-conditioning systems, as well as other parts of the aircraft. They also do the necessary maintenance and replacement of parts. Mechanics and technicians inspect things following a schedule based on the number of hours the aircraft has flown, calendar days since the last inspection and the type of activities it has been involved in. They also keep records related to the maintenance performed on the aircraft.

Education Requirements: Two-Year Associate's degree



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FLIGHT ATTENDANT

FLIGHT ATTENDANT

Flight Attendant

Flight Attendants work aboard airplanes for the safety and comfort of passengers. They make sure that emergency equipment is aboard and in working order. They also make sure the plane has enough supplies of food, beverages and other items. As passengers board the plane, flight attendants greet them, aid passengers in finding their seat and direct them to where they can store carry-on items. Hours depend on routes and flight times, but a typical day may easily be more than eight hours and this job often requires time on weekends.

Education Requirements: High School diploma,
Two-Year Associate's degree



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DIESEL SERVICE TECHNICIAN

Diesel Service Technician

Diesel Service Technicians and Mechanics, which include bus and truck mechanics and diesel engine specialists, repair and maintain the diesel engines that power transportation. They may also work on other heavy vehicles and mobile equipment, including bulldozers, cranes, road graders, farm tractors and combines. Typically, Diesel Service Technicians do not work on or repair diesel-powered passenger automobiles, light trucks or boats.

Education Requirements: High School diploma,
Two-Year Associate's degree



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AUTOMOTIVE TECHNICIAN

Automotive Technician

Automotive Technicians, formerly called auto mechanics, inspect, maintain and repair automobiles and trucks that run on gasoline, electricity or alternative fuels such as ethanol and natural gas. Automotive Technicians' responsibilities have changed from simple mechanical repairs to high-level technology-related work. The increasing number of parts and systems in automobiles requires workers who can use computerized shop equipment and work with electronics while maintaining their skills with traditional mechanical elements. As a result, automotive workers are now usually called Technicians rather than mechanics.

Education Requirements: High School diploma,
Two-Year Associate's degree



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SMALL ENGINE MECHANIC

Small Engine Mechanic

Small Engine Mechanics repair and service power equipment ranging from lawnmowers and golf carts to jet skis and chainsaws. They usually work in the service and repair of one type of equipment, although they may work on closely-related engines. The mark of a skilled Small Engine Mechanic is the ability to find mechanical, fuel and electrical problems and to make repairs quickly. Quickly finding what is wrong requires problem-solving abilities and a thorough knowledge of the equipment's operation.

Education Requirements: High School diploma,
Two-Year Associate's degree



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HEAVY EQUIPMENT SERVICE TECHNICIAN

Heavy Equipment Service Technician

Heavy Equipment Service Technicians keep up with and properly care for heavy equipment machinery like cranes, bulldozers, backhoes, railcars and loading shovels. Heavy Equipment Service Technicians must have a good understanding of hydraulic, transmission and electrical systems. They must also know when and how often to replace parts designed to wear out like shovel blades and tires. Work often takes place in and around construction sites and maintenance may have to be done in off hours.

Education Requirements: High School diploma,
Two-Year Associate's degree



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LOCOMOTIVE ENGINEER

LOCOMOTIVE ENGINEER

Locomotive Engineer

Locomotive Engineers operate large trains carrying products or passengers. Most Locomotive Engineers run diesel-electric locomotives, although some run those powered by battery or external electricity. Engineers must watch over instruments that measure speed, amperage, battery charge and air pressure. Engineers must have strong knowledge of their routes and must always be aware of the condition and makeup of their train as trains react differently to the quality of the rail, the number of cars, the weight of the cars and in which car the heaviest weight is loaded.

Education Requirements: High School diploma



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The background is a solid orange color. On the left side, there is a partial view of a wicker basket's rim, showing concentric curved lines. The text is centered in the upper half of the image.

SAILOR AND DECKHAND

Sailor and Deckhand

Sailors and Deckhands work on a boat under the direction of the ship's officers. They watch for other ships and obstacles in the ship's path as well as for signs, buoys and lighthouses that help them to find their way. They steer the ship, keep track of depth and make sure equipment on the boat such as lifeboats and anchors are in proper working order. They also perform maintenance like repairing lines, chipping rust and painting and cleaning decks and other areas. Sailors and Deckhands may be required to be away from home for long periods of time.

Education Requirements: High School diploma



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FREIGHT, STOCK AND MATERIAL MOVER

Freight, Stock and Material Mover

Freight, Stock and Material Movers do many things to help in the loading, unloading and moving of baggage and freight. They may move items by hand or with equipment like conveyors, pulleys, hand trucks and power trucks. Working conditions and hours vary greatly depending on the employer. Work may be performed indoors or outdoors. Freight, Stock and Material Movers may be exposed to dust, dirt, oil, chemicals and loud noise.

Education Requirements: High School diploma



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SHIPPING AND RECEIVING CLERK

Shipping and Receiving Clerk

Shipping and Receiving Clerks keep records of all goods shipped and received. Their duties depend on the size of the place where they work and the number of machines or computers that are used. Larger companies typically are better able to provide computers, scanners and other equipment to aid in some or all of a Shipping and Receiving Clerk's responsibilities. In smaller companies, a Clerk keeps records, gets shipments ready to send, sorts packages and accepts deliveries.

Education Requirements: High School diploma



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The background is a solid orange color. On the left side, there are several thin, white, curved lines that sweep upwards and to the right, creating a sense of motion or a stylized 'D' shape. The word 'DISPATCHER' is centered in the middle of the image in a bold, white, sans-serif font.

DISPATCHER

Dispatcher

Dispatchers schedule and assign workers, equipment or service vehicles to carry materials or passengers. Some Dispatchers take calls for taxi companies, for example, or for police or ambulance assistance. They keep records and schedules of the calls that they receive and of the people or cars that they are watching over. They usually create a detailed report on all activities that happen during their shifts. Many Dispatchers use radio communications and computer-aided systems to get these tasks done.

Education Requirements: High School diploma



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The background is a solid orange color. On the left side, there are several white, curved, concentric lines that sweep from the bottom left towards the center, creating a sense of motion or a stylized road. The text "TRUCK DRIVER" is centered in the middle of the image.

TRUCK DRIVER

TRUCK DRIVER

Truck Driver

Truck Drivers operate trucks or vans that are able to carry at least 26,000 pounds. They help with the movement of goods including cars, livestock, items for retail stores, supplies and other materials. Many drive from city to city and cover long distances. Truck Drivers may be employed by a trucking company or they may own their truck and work on a contract basis for various trucking and shipping companies. A special license is required for driving a tractor-trailer. Truck Drivers may have to be away from home for long periods of time.

Education Requirements: High School diploma



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